

Wednesday, 15 February 1989
Mercredi, 15 février 1989

Albert I Hall

Session II

INDOOR AIR QUALITY : CHEMISTRY AND BIOLOGICAL EFFECTS
QUALITÉ DE L'AIR AMBIANT : CHIMIE ET EFFETS BIOLOGIQUES

Chairmen
S.J. Kilpatrick, Jr. & R. Rylander

- 09.00 O27 **Exposure to ets and its biological effects**
F. Adlikofer, G. Scherer, L. Von Meyerinck, Ch. Von Maltzan & L. Jarczyk (Forschungs-gesellschaft Rauchen und Gesundheit mbH, Hamburg, F.R. Germany)
- 09.20 O28 **Carbonyl compounds in mainstream and sidestream cigarette smoke**
H. Schlitt & H. Knppel (Commission of the European Communities, Joint Research Centre, Environment Institute, Ispra, Italy)
- 09.35 O29 **Nicotine uptake through the airway during passive smoking and its effect on annoyance**
A. Iwase, H. Saitoh, Y. Doi, M. Aiba, N. Yamauchi, T. Miyara & S. Kira (Department of Respiratory Medicine, Juntendo University, School of Medicine, Hongo, Tokyo, Japan)
- 09.50 P17 **Etude des relations à échelle fine entre pollutions intérieure et extérieure (SO₂/NOx/particules) dans un hôpital de la région Parisienne**
J.C. Lowenstein (Electricité de France, Direction des Etudes et Recherches, Chatou, France)
- 10.05 O31 **Nonsmokers attitude towards indoor air quality**
S. Shanmuganandan & P. Thirumalaikolundusubramanian* (Department of Geography, Madurai Kamaraj University & *Department of Medicine, Madurai Medical College, India) ..
- 10.20 O32 **Perception of daily cigarette consumption in the office environment**
D.A. Sterling, D.J. Moschandreas* & R.D. Gibbons** (Old Dominion University, Norfolk, Virginia, *IIT Research Institute, Chicago & **University of Illinois, Chicago, Illinois, U.S.A.)
Woh da?
- 10.35 Coffee break/Pause café

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Session II (cont'd)

INDOOR AIR QUALITY : CHEMISTRY AND BIOLOGICAL EFFECTS
QUALITÉ DE L'AIR AMBIANT : CHIMIE ET EFFETS BIOLOGIQUES

Chairmen
D. Rondia & M. Mansour

- 11.00 O33 **Accumulation of semi-volatile chemicals in indoor-environment**
I. Gebefügi & F. Korte (Gesellschaft für Strahlen- und Umweltforschung mbH München,
Institut für Ökologische Chemie, Neuherberg & Technical University of Munich, Institute
of Chemistry, Chair of Ecological Chemistry, Freising-Weihenstephan, F.R. Germany)
- 11.15 O34 **Role of combustion products in bronchial hyperreactivity - A case control study**
M. Bert, J. Kühr, A. Hendel-Kramer, R. Urbanek, E. Schultz*, H. Staiger* & W. Karmaus*
* (University Children Hospital, Freiburg, *German Weather Service, Freiburg & **Centre
of Science, Berlin, F.R. Germany)
- 11.30 O35 **Use of molecular biologic techniques to study pulmonary fibrosis**
A. Poole (Smith Kline and French Research Ltd. The Frythe, Welwyn, United Kingdom)
- 11.45 O36 **Glucans as potential inflammatory agents in indoor air**
R. Rylander, S. Srensen, H. Goto*, K. Yuasa* & S. Tanaka (Department of Environmental
Hygiene, University of Gothenburg, Sweden & *Institute of Medical Sciences, Tokyo,
Japan)
- 12.00 O37 **The contribution of unvented natural gas combustion to indoor air quality**
I. Billick (Gas Research Institute, Chicago, U.S.A.)
- 12.15 O38 **An epidemiologic study of the dose-response relationship between BaP con-
centration in indoor air and lung cancer mortality in Xuan Wei, China**
Xingzhou He & Wei Chen (Institute of Environmental Health and Engineering Chinese
Academy of Preventive Medicine, Beijing, China)
- 12.30 **Lunch break/Pause déjeuner**

2029247944

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Session III

INDOOR AIR QUALITY : VENTILATION, CLIMATISATION AND POLLUTANTS
QUALITÉ DE L'AIR AMBIANT : VENTILATION, CLIMATISATION ET POLLUANTS

Chairmen

C. Molina & J.E.H.M. van Bronswijk

14.00

O39

Ventilation, health and energy conservation : a workable compromise
G. Robertson (ACVA Atlantic Inc., Fairfax, VA, USA)

14.20

O40

Sick buildings can be controlled through air quality specifications and monitoring
T. Astrm (Västra Frölunda, Sweden)

14.35

O42

Aeroallergen species and their indoor/outdoor relationship
D.A. Sterling & T.H. Stock* (Old Dominion University, Norfolk & *University of Texas, Houston, Texas, U.S.A.)

14.50

O43

Quelques exemples d'études d'ambiances climatisées

A. Mouilleseaux, F. Squinazi & B. Festy (Laboratoire d'Hygiène de la Ville de Paris, France)

15.05

O45

Residence time of vapour pollutants in the atmosphere

M. Mansour (Institut für Okologische Chemie, Freising Attaching, F.R. Germany)

15.20

O46

A Czechoslovak survey about ventilation habits in dwellings

L. Pirsöl (Slovak Technical University, Bratislava, Czechoslovakia)

15.20-15.50

Discussion

15.50

Coffee break/pause café

2029247945

Wednesday, 15 February 1989
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Session III (cont'd)

INDOOR AIR QUALITY : VENTILATION, CLIMATISATION AND POLLUTANTS
QUALITÉ DE L'AIR AMBIANT : VENTILATION, CLIMATISATION ET POLLUANTS

Chairmen
J. Bignon & G. Löfroth

- 16.30 ✓ O47 **Emissions from building materials. The role of additives in PVC-materials**
K. Saarela, K. Kaustia & A. Kiviranta (Technical Research Centre of Finland, Chemical Laboratory, Espoo, Finland)
- 16.45 ✓ O48 **Influence of indoor air pollution on NO₂ personal exposure levels of school-children**
Y. Shimizu, S. Imai* & Y. Tsunetoshi** (Department of Public Health, Saitama Medical College, *Department of Public Health, Osaka Prefectural Government & **Department of Public Health, Miyazaki Medical College, Japan)
- 17.00 ✓ O49 **Statistical significance of home indoor air fungal spore samples in time and space**
M. J. Jantunen, A. Nevalainen, A-L. Pasanen* & P. Kalliokoski† (National Public Health Institute, Kuopio & *University of Kuopio, Finland)
- 17.15 ✓ O50 **Indoor Pollution by mineral fibers**
J. Bignon, G. Dufour*, P. Brochard & A. Gaudichet** (*Clinique de Pathologie Respiratoire et Environnement, INSERM 139, Creteil, *Laboratoire d'Etude des Particules Inhalées, DASES, Paris & **Lamaast, Université Paris XII, Créteil, France)
- 17.30 ✓ O51 **Indoor Air Quality, Housing and Health**
S. Shamuganandan & P. Thirumalaikolundusubramanian* (Department of Geography, Madurai Kamaraj University & *Department of Medicine, Madurai Medical College, India)
- 17.45 ✓ O52 **The Acarex/Acarosan concept, its possibilities in allergology and dermatology**
J.E.H.M. van Bronswijk & G. Schober (Interuniversity working group Home and Health, Utrecht State University, Utrecht, The Netherlands)
- 18.00 ✓ O53 **Lutte contre les excréments d'acariens porteurs d'allergènes dans l'air ambiant**
E. Bischoff (Gesellschaft für Hausbiologische Forschung, Mainz, F.R. Germany)

2029247946

Thursday, 16 February 1989
Jeudi, 16 février 1989

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Session IV

INDOOR AIR QUALITY : PREVENTION AND FUTURE GUIDELINES
QUALITÉ DE L'AIR AMBIANT : PREVENTION ET ORIENTATIONS FUTURES

Chairmen
A.V. Nero Jr. & Cl. Bieva

- 09.00 O54 Developing an effective perspective on the risks and control of indoor air pollutants
A.V. Nero Jr. (Lawrence Berkeley Laboratory, USA)
- 09.30 ✓ O55 New concepts of control and prevention in residential design and construction
P. Bierman-Lhytle (The Masters Corporation, New Canaan, Connecticut, U.S.A.)
- 09.45 ✓ O56 Portable air sampler for measurements in aircraft and public buildings
J.F. van der Wal (MT-TNO, Delft, The Netherlands)
- 10.00 Coffee break/Pause café
- 10.30 ✓ O57 Demand controlled ventilating systems, new concepts for indoor air quality and energy conservation
L. Trepte (Dornier-System, Friedrichshafen, F. R. Germany)
- 10.45 ✓ O58 A database of problem buildings : learning by past mistakes
C.W. Collett, E.M. Sterling, T.D. Sterling* & J.J. Weinkam* (Theodor D. Sterling & Associates, Vancouver & *School of Computing Science, Faculty of Applied Sciences, Simon Fraser University, Burnaby, Canada)
- Pause*
11.00 O59 Programme de traitement en vue de la lutte contre la pollution microbiologique interne occasionnée par les installations de climatisation mal entretenues
E. Clement (De Kobra, Opwijk, Belgique)
- 11.15 O60 Present and future exceedence of health related reference values for air pollutants in dutch dwellings
H.J. van de Wiel & E. Lebret (National Institute of Public Health and Environmental Protection, Bilthoven, The Netherlands)
- 11.30 P25 ✓ Un analyseur d'oxydes d'azote à l'étude de la pollution intérieure : l'APPI-AC 35
B. Millancourt (Electricité de France, Direction des Etudes et Recherches, Chatou, France)
- 11.45 O62 Les actions françaises de recherche incitative pour la maîtrise de la qualité de l'air intérieur des locaux habitables
J.P. Marie* & P.C. Jacquinon (*Plan Construction et Architecture & Secrétariat d'Etat à l'Environnement, Paris, France)
- 12.00 O63 ✓ Ventilation system retrofits as a method of solution for the sick building syndrome
E.M. Sterling & C.W. Collett (Theodor D. Sterling & Associates, Vancouver, Canada)
- 12.15 Closing session/Séance de clôture

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